

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: March 1, 2001, 15:47:17 ; Search time 210.42 Seconds
(without alignments)
10.725 Million cell updates/sec

Title: US-09-331-631a-5_COPY_145_210

Perfect score: 375
Sequence: 1 KRDPQREYEDCRHCEQOE.....PQSGSGRYEGEGEKSDNP 66

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 268485 segs, 34193795 residues

Total number of hits satisfying chosen parameters: 268485

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

A_Geneseq_36.*
1: /SIDSI/gcgdata/geneseq/geneseq/AA1980.DAT.*
2: /SIDSI/gcgdata/geneseq/geneseq/AA1981.DAT.*
3: /SIDSI/gcgdata/geneseq/geneseq/AA1982.DAT.*
4: /SIDSI/gcgdata/geneseq/geneseq/AA1983.DAT.*
5: /SIDSI/gcgdata/geneseq/geneseq/AA1984.DAT.*
6: /SIDSI/gcgdata/geneseq/geneseq/AA1985.DAT.*
7: /SIDSI/gcgdata/geneseq/geneseq/AA1986.DAT.*
8: /SIDSI/gcgdata/geneseq/geneseq/AA1987.DAT.*
9: /SIDSI/gcgdata/geneseq/geneseq/AA1988.DAT.*
10: /SIDSI/gcgdata/geneseq/geneseq/AA1989.DAT.*
11: /SIDSI/gcgdata/geneseq/geneseq/AA1990.DAT.*
12: /SIDSI/gcgdata/geneseq/geneseq/AA1991.DAT.*
13: /SIDSI/gcgdata/geneseq/geneseq/AA1992.DAT.*
14: /SIDSI/gcgdata/geneseq/geneseq/AA1993.DAT.*
15: /SIDSI/gcgdata/geneseq/geneseq/AA1994.DAT.*
16: /SIDSI/gcgdata/geneseq/geneseq/AA1995.DAT.*
17: /SIDSI/gcgdata/geneseq/geneseq/AA1996.DAT.*
18: /SIDSI/gcgdata/geneseq/geneseq/AA1997.DAT.*
19: /SIDSI/gcgdata/geneseq/geneseq/AA1998.DAT.*
20: /SIDSI/gcgdata/geneseq/geneseq/AA1999.DAT.*
21: /SIDSI/gcgdata/geneseq/geneseq/AA2000.DAT.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	375	100.0	625	19	Macadamia integrifolia
2	353	94.1	666	19	Macadamia integrifolia
3	339	90.4	666	19	Macadamia integrifolia
4	129	34.4	590	19	Gossypium hirsutum
5	116.5	31.1	525	19	Theobroma cacao an
6	116.5	31.1	566	13	Sequence encoded b
7	95	25.3	637	19	Hordeum vulgare an
8	78.5	20.9	919	10	Human androgen rec
9	73.5	19.6	669	19	Mouse liver cancer
10	71.5	19.1	1898	20	A human trichohyal
11	71	18.9	919	10	Human androgen rec
12	71	18.9	919	18	Androgen receptor.

13	71	18.9	919	21	V78914	Human androgen rec
14	69.5	18.5	154	20	V33504	Human unliganded a
15	69.5	18.5	918	12	R12223	Human androgen rec
16	69.5	18.5	918	20	V33491	Human androgen rec
17	68.5	18.3	1162	21	V58500	HHV8 ORF 73 protei
18	68	18.1	326	20	V20109	B. burgdorferi ant
19	68	18.1	347	20	V20108	B. burgdorferi ant
20	67.5	18.0	409	20	W90342	G. max truncated S
21	67.5	18.0	489	20	W90341	Pig p105 zona pell
22	67	17.9	2476	20	W67338	Partial Human Natu
23	65.5	17.5	1023	12	R13319	Human metastasis-a
24	65.5	17.2	593	19	W31867	Zea mays antimicro
25	64.5	16.9	1326	20	W62835	Human ZC3 protein.
26	63.5	16.8	371	20	V55933	Epitope tagged TBP
27	63	16.8	1251	16	R79475	Mouse Trp-3 Mus
28	63	16.8	436	17	W03662	Human 70K UI snRNP
29	62.5	16.7	436	20	V22342	70K UI snRNA bindi
30	62.5	16.7	594	17	W00591	SAP-AlaMet-VEGF165
31	62.5	16.7	594	17	W00595	SAP-GlySer-VEGF165
32	62.5	16.7	614	16	R82630	70K autoantigen. P
33	62.5	16.7	671	21	V99426	Human PRO1604 (UNQ
34	62.5	16.7	71	20	V09181	Peptide seq ID No:
35	61	16.3	86	20	W95073	GST-HD fusion prot
36	61	16.3	86	20	W95078	Rice storage prote
37	61	16.3	499	9	P82755	Mouse brain CNG-1
38	61	16.3	910	20	V22191	Human mitocin amn
39	61	16.3	2482	16	R72826	Kinetochore protei
40	60.5	16.1	2482	19	W23986	Osteoinductive ret
41	60.5	16.1	3248	17	R99795	Amino acid sequenc
42	60.5	16.1	537	16	R75188	Mouse STR20-relate
43	60	16.0	1135	21	V68784	
44	60	16.0	1233	20	V55954	
45	60	16.0	1233	20	V55954	

ALIGNMENTS

RESULT 1	
ID W62830	W62830 standard; Protein: 625 AA.
XX AC	W62830;
XX AC	27-OCT-1998 (first entry)
XX DT	Macadamia integrifolia antimicrobial protein.
XX DE	antimicrobial protein; infestation; control.
XX KW	Macadamia integrifolia.
XX OS	Macadamia integrifolia.
XX FH	Key
XX FT	Peptide
XX FT	Location/Qualifiers
XX FT	1..28
XX FT	/note= "signal peptide"
XX FT	29..666
XX FT	/note= "mature protein"
XX PN	W09827805-A1.
XX PD	02-JUL-1998.
XX PF	22-DEC-1997; 97WO-AU00874.
XX PR	20-DEC-1996; 96AU-0004275.
XX PA	(RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY.
XX PI	Bower NI, Goulter KC, Green JL, Manners JM, Marcus JP;
XX DR	WPI: 1998-377279/32.
XX DR	N-PSDB: V42316.

PT Novel anti-microbial protein from e.g. Macadamia integrifolia -
 PT useful for controlling microbial infestations of plants or mammals
 XX
 PS Claim 1: Page 43-45; 96pp; English.
 XX
 CC The sequence is that of an antimicrobial protein which can
 CC be used to control microbial infestations in plants and mammalian
 CC animals.
 XX
 SQ Sequence 625 AA;

Query Match 100.0%; Score 375; DB 19; Length 625;
 Best Local Similarity 100.0%; Pred. No. 9.1e-36;
 Matches 66; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 KRDPQOREYEDCRRHCEOEPRLOYOCORCOEOROHGRGSDLNMPORGSGRYEEGEE 60
 DB 145 krpdpqreyedcrrceqeprrlyqyqqrcreqqrghrgdlnmprrgs9ryeegee 204
 OY 61 KQSDNP 66
 DB 205 kgsdnp 210

RESULT 2
 W62829
 ID W62829 standard; Protein: 666 AA.
 XX
 AC W62829;

DT 27-OCT-1998 (first entry)
 XX
 DE Macadamia integrifolia antimicrobial protein.
 XX
 KW antimicrobial protein; infestation; control.
 XX
 OS Macadamia integrifolia.

Key Location/Qualifiers
 FT Peptide 1..28
 FT /note="signal peptide"
 FT Protein 29..666
 FT /note="mature protein"

WO9827805-A1.
 PD 02-JUL-1998.
 PF 22-DEC-1997; 97WO-AU00874.
 PR 20-DEC-1996; 96AU-0004275.
 PA (RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY.
 PI Bower NI, Goulter KC, Green JL, Manners JM, Marcus JP;
 DR N-PSDB; V42311.
 DR MPI: 1998-377279/32.

PT Novel anti-microbial protein from e.g. Macadamia integrifolia -
 PT useful for controlling microbial infestations of plants or mammals
 XX
 PS Claim 1: Page 39-41; 96pp; English.

CC The sequence is that of an antimicrobial protein which can
 CC be used to control microbial infestations in plants and mammalian
 CC animals.
 XX
 SQ Sequence 666 AA;

Query Match 94.1%; Score 353; DB 19; Length 666;

Best Local Similarity 93.9%; Pred. No. 3.5e-33;
 Matches 62; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

OY 1 KRDPQOREYEDCRRHCEOEPRLOYOCORCOEOROHGRGSDLNMPORGSGRYEEGEE 60
 DB 186 krpdpqreyedcrrceqeprrlyqyqqrcreqqrghrgdlnmprrgs9ryeegee 245
 OY 61 KQSDNP 66
 DB 246 kgsdnp 251

RESULT 3
 W62828
 ID W62828 standard; Protein: 666 AA.
 XX
 AC W62828;

DT 27-OCT-1998 (first entry)
 XX
 DE Macadamia integrifolia antimicrobial protein.
 XX
 KW antimicrobial protein; infestation; control.
 XX
 OS Macadamia integrifolia.

Key Location/Qualifiers
 FT Peptide 1..28
 FT /note="signal peptide"
 FT Protein 29..666
 FT /note="mature protein"

WO9827805-A1.
 PD 02-JUL-1998.
 PF 22-DEC-1997; 97WO-AU00874.
 PR 20-DEC-1996; 96AU-0004275.

PA (RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY.
 PI Bower NI, Goulter KC, Green JL, Manners JM, Marcus JP;
 DR N-PSDB; V42310.
 DR MPI: 1998-377279/32.

PT Novel anti-microbial protein from e.g. Macadamia integrifolia -
 PT useful for controlling microbial infestations of plants or mammals
 XX
 PS Claim 1: Page 34-36; 96pp; English.

CC The sequence is that of an antimicrobial protein which can
 CC be used to control microbial infestations in plants and mammalian
 CC animals.
 XX
 SQ Sequence 666 AA;

Query Match 90.4%; Score 339; DB 19; Length 666;
 Best Local Similarity 89.4%; Pred. No. 1.5e-31;
 Matches 59; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

OY 1 KRDPQOREYEDCRRHCEOEPRLOYOCORCOEOROHGRGSDLNMPORGSGRYEEGEE 60
 DB 186 krpdpqreyedcrrceqeprrlyqyqqrcreqqrghrgdlnmprrgs9ryeegee 245
 OY 61 KQSDNP 66
 DB 246 eqsdnp 251

RESULT 4

xx	W62832
xx	W62832 standard; Protein; 590 AA.
xx	
AC	W62832;
xx	
DT	27-OCT-1998 (first entry)
xx	
DE	Gossypium hirsutum antimicrobial protein.
xx	
KW	antimicrobial protein; infestation; control.
xx	
OS	Gossypium hirsutum.
xx	
PN	W09827805-A1.
xx	
PD	02-JUL-1998.
xx	
PF	22-DEC-1997; 97WO-AU00874.
xx	
PR	20-DEC-1996; 96AU-0004275.
xx	
PA	(RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY.
xx	
PI	Bower NI, Goulter KC, Green JL, Manners JM, Marcus JP.
xx	
DR	WPI; 1998-377279/32.
xx	
PT	Novel anti-microbial protein from e.g. Macadamia integrifolia -
xx	useful for controlling microbial infestations of plants or mammals
xx	
PS	Claim 1; Page 49-51; 96pp; English.
xx	
CC	The sequence is that of an antimicrobial protein which can
CC	be used to control microbial infestations in plants and mammalian
CC	animals.
xx	
Sequence	590 AA;

	Query Match	34.4%	Score 129;	DB 19;	Length 590;
	Best Local Similarity	35.6%;	Pred. No. 2.9e-07;		
	Matches 36;	Conservative 9;	Mismatches 18;	Indels 38;	Gaps 5;
QY	3 DPQQREYEDCAHHHCDOEPRLQYCCQRRC-----OEOQ-----RQHGRGDLML---45				
	: : : :				
Dd	82 dpgrr-yeeeqceqgcgqrqpqqgc krlfeqdgqsgdqfgeqgdhchqegdrpek 140				
QY	46 -----NPRC-----GSGRYEDEGEKSDNP 66				
Dd	141 kgqcvrecrekyenpwrgereaeaeetegeqegshnp 181				
RESULT 5					
ID W62831	standard; Protein; 525 AA.				
XX W62831;					
AC W62831;					
XX					
DT 27-OCT-1998	(first entry)				
XX					
DE Theobroma cacao antimicrobial protein.					
XX					
KW antimicrobial protein; infestation; control.					
XX					
TS Theobroma cacao.					
XX					
PN MO9827805-A1.					
XX					
PD 02-JUL-1998.					
XX					
PE 22-DEC-1997; 97MO-AU00874.					
XX					
PR 20-DEC-1996; 96AU-0004275.					

XX (RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY.
 XX
 XX Bower NI, Goulter KC, Green JL, Manners JM, Marcus JP;
 XX
 XX WPI; 1998-377279/32.
 XX
 XX
 PT Novel anti-microbial protein from e.g. *Macadamia integrifolia* -
 PT useful for controlling microbial infestations of plants or mammals
 XX
 XX Claim 1: Page 47-49; 96pp; English.
 PS
 XX
 CC The sequence is that of an antimicrobial protein which can
 CC be used to control microbial infestations in plants and mammalian
 CC animals.
 CC
 XX Sequence 525 AA;
 XX

	Query Match	31.1%	Score 116.5; DA: 19;	length 525;
	Best Local Similarity	39.7%;	Pred. No. 7,3e-06;	
	Matches	25;	Conservative 12;	Mismatches 23; Indels 3; Gaps 2;
QY	6 GREHEDCRRHCEQDE - PRLOYCCQRRCQREQDORGRGCDLMPFRGSGSGRYESEGEKQS	63		
	: : : : : : : : : : :			
Dd	82 grqygcqgqrqcqqggrqeqqcgkwcqykcdqr - gchennyhnkkknrsceegqqr	140		
	: : : : : : : : : : : : : : : : : :			
QY	64 DNP 66			
Dd	141 nmp 143			

RESULT	6
R20181	
ID	R20181 standard; Protein; 566 AA.
XX	
AC	R20181;
XX	
DT	16-APR-1992 (first entry)
XX	
DE	Sequence encoded by 67 kD T. cacao protein cDNA.
XX	
KW	Cocoa; flavour; vicilin; seed storage protein.
XX	
OS	Theobroma cacao.
XX	
PN	W09119801-A.
XX	
PD	26-DEC-1991.
XX	
PF	07-JUN-1991; 91WO-GB00914.
XX	
PR	11-JUN-1990; 90GB-0013016.
XX	
PA	(MRSC) MARS UK LTD.
XX	
PI	Spencer ME, Hodge R, Deakin EA, Ashton S;
XX	
DR	WPI: 1992-024418/03.
DR	N-PSDB; Q20377.
XX	
PT	Recombinant cocoa proteins - are responsible for flavour in cocoa
XX	
PT	beans and produced in large quantities using yeast and bacterial
XX	
PT	expression vectors
XX	
PS	Claim 4; Fig 2; 59pp; English.
XX	
CC	The inventors claim a 67 kD and 31 kD T. cacao protein, and
XX	
CC	fragments, and encoding DNAs. The 47 kD and 31 kD proteins are
XX	
CC	derived from the 67 kD precursor. T. cacao protein cDNA was
XX	
CC	detected in a cDNA library prepared from immature cocoa beans. RNA
XX	
CC	using a probe based on the 4A sequence of a CNBR peptide common to
XX	
CC	the 47 kD and 31 kD polypeptides. Homology searches revealed close

XX Disclosure: Fig. 4; 41pp: English.
PS
XX Androgen receptor protein (AR) is used to produce mono- or poly-clonal
CC antibodies. These are used for the detection and quantification of AR in
CC the presence of endogenous androgen, as androgen will not interfere with
CC binding. They may be used in assays to determine and quantify cellular
CC distribution of AR in tumour tissue, and are esp. useful for evaluating
CC prostate cancers to determine responsiveness to androgen withdrawal
CC therapy.
XX
SO Sequence 919 AA:

Query Match 18.9%; Score 71; DB 10; Length 919;
Best Local Similarity 29.0%; Pred. No. 2.5;
Matches 18; Conservative 14; Mismatches 28; Indels 2; Gaps 1;

OY 5 QQREYEDCRHRCQDEPRLOYCCQRCQEQQRHGRGGLMNPQRCGSGHYEGGEKQSD 64
11::: :: 111: : 1: : 111: 1 11: 1 11: 1
Db 58 qqqqqqqqqqqqqqqqqqqqtspr--qqqqqggedgspqahrrptgylviideeqps 115

OY 65 NP 66
1
Db 116 qp 117

RESULT 12
W14783
ID W14783 standard; Protein: 919 AA.
AC W14783;
XX
XX 22-JUN-1997 (first entry)
DT
XX
XX Androgen receptor.
DE
XX Androgen receptor; acidic fibroblast growth factor; arcf;
KW antisenase; benign prostatic hyperplasia; prostate cancer; therapy.
XX
XX Homo sapiens.
OS
XX
XX W09711170-A1.
PN
XX
XX 27-MAR-1997.
PD
XX
XX 20-SEP-1996; 96WO-US15081.
PF
XX
XX 20-SEP-1995; 95US-0004018.
PR
XX
XX (W0RC-) WORCESTER FOUND BIOMEDICAL RES.
PA
XX
XX Zamecnik PA;
PI
XX
XX WPI: 1997-202879/18.
DR N-PSDB; T63407.
XX
XX Oligonucleotide(s) antisense to human androgen receptor and acidic
PT FGF genes - used to inhibit gene expression, for the treatment of
PT benign prostatic hyperplasia
XX
XX
PS Disclosure: Page 22-28; 51pp: English.
XX
XX Human androgen receptor (W14783) binds testosterone and, acting
CC at the transcriptional level, regulates the growth of normal
CC prostatic cells. Antisense oligonucleotides (see also T63200,
CC T63404-05) based on an androgen receptor cDNA clone (see also
CC T63407) can be used to prevent androgen receptor gene expression,
CC thereby inhibiting the growth or survival of prostatic cells for
CC the treatment of benign prostatic hyperplasia and prostate cancer.
XX
SO Sequence 919 AA:

Query Match 18.9%; Score 71; DB 18; Length 919;
Best Local Similarity 29.0%; Pred. No. 2.5;
Matches 18; Conservative 14; Mismatches 28; Indels 2; Gaps 1;

OY 5 QQREYEDCRHRCQDEPRLOYCCQRCQEQQRHGRGGLMNPQRCGSGHYEGGEKQSD 64
11::: :: 111: : 1: : 111: 1 11: 1 11: 1
Db 58 qqqqqqqqqqqqqqqqqqqqtspr--qqqqqggedgspqahrrptgylviideeqps 115

OY 65 NP 66
1
Db 116 qp 117

RESULT 13
Y78914
ID Y78914 standard; Protein: 919 AA.
AC Y78914;
XX
XX 23-MAY-2000 (first entry)
DT
XX
XX Human androgen receptor (AR) amino acid sequence.
DE
XX
XX Androgen receptor; AR; androgen-independent activation; inhibitor;
KW cancer; benign prostatic hyperplasia; hirsutism; androgenic alopecia;
KW acne; breast cancer; Kennedy disease; prostate cancer.
XX
XX Homo sapiens.
OS
XX
XX W0200001813-A2.
PN
XX
XX 13-JAN-2000.
PD
XX
XX 30-JUN-1999; 99WO-CA00604.
PF
XX
XX 30-JUN-1998; 98US-0091871.
PR
XX
XX (UYBR-) UNIV BRITISH COLUMBIA.
PA
XX
XX Sadar MD, Bruchovsky N, Gout PW, Snoek R, Mawji NR;
PI
XX
XX WPI: 2000-182113/16.
DR
XX
XX Novel non-androgen ligand binding peptides for inhibiting
PT androgen-independent activation of androgen receptor, used for
PT screening compounds and for treatment of androgen-mediated diseases
PT such as prostate cancer
XX
XX
PS Disclosure: Page 7; 32pp: English.
XX
XX This sequence represents the human androgen receptor (AR) amino acid
CC sequence. The invention relates to a fragment of the AR corresponding to
CC amino acids 234-391 (see Y78913). The fragment mediates
CC androgen-independent activation of the AR. The androgen receptor acts as
CC a transcription factor, regulating the expression of certain
CC androgen-responsive genes. Interaction of the AR with the protein kinase
CC A signal transduction pathway involves interaction with the androgen
CC independent region. The AR fragment and peptides derived from it can be
CC used as agents for inhibiting androgen independent activation of the
CC androgen receptor, as activation domains, and as a tool for screening for
CC compounds which affect androgen-independent activation of the AR. The
CC peptides, when used in combination with androgen deprivation, effectively
CC limit androgen mediated disease progression. These diseases include
CC cancer, benign prostatic hyperplasia, hirsutism, androgenic alopecia,
CC acne, breast cancer, Kennedy disease, and especially prostate cancer. The
CC peptides and nucleic acids encoding them, are especially used for the
CC treatment of androgen-mediated diseases, especially prostate tumours in
CC patients deprived of androgen.
XX
SO Sequence 919 AA:

```

Query Match 18.9%; Score 71; DB 21; Length 919;
Best Local Similarity 29.0%; Pred. No. 2.5;
Matches 18; Conservative 14; Mismatches 28; Indels 2; Gaps 1
OY 5 QQREEDCRHACEQDEPRILYOCCRCRCQEDQHQHGRGDLMPGRGSGRRVEGHEKQSD 64
Db 58 qqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq 115
OY 65 NP 66
Db 116 qp 117

RESULT 14
ID Y33504 standard; Protein: 154 AA.
AC Y33504;
XX
XX
XX 19-JAN-2000 (first entry)
DE
XX
XX
XX Human unliganded androgen receptor protein.
KW Proapoptotic; dependence domain; p75NTR; androgen receptor; DCC;
KW huntingtin poly(phenyl); Machado-Joseph disease; SCAL; SCAD2; SCAD6;
KW atrophin-1; cell death; apoptosis; Huntington's disease; head trauma;
KW Alzheimer's disease; Kennedy's disease; spinocerebellar ataxia; stroke;
KW dentatorubropallidolysian atrophy; cell proliferation; cell survival;
KW neoplastic; malignant; autoimmune; fibrotic.
OS
XX Homo sapiens.
PN
XX W09945944-A1.
PD
XX 16-SEP-1999.
PF 11-MAR-1999; 99MO-US05250.
XX
XX 12-MAR-1998; 98US-0041886.
XX
XX (BURN-) BURNHAM INST.
XX
XX Bredesen DE, Rabizadeh S;
XX
XX WPI; 1999-561617/47.
XX
XX
XX New proapoptotic dependence peptides, used to develop products for
XX treating, e.g. Alzheimer's disease -
XX
XX
XX Disclosure; Page 178-179; 199pp; English.
XX
XX
XX This invention describes novel pure proapoptotic dependence peptides
XX which comprise a sequence of an active dependence domain selected from
XX dependence polypeptides consisting of p75NTR, androgen receptor, DCC,
XX huntingtin poly(phenyl), Machado-Joseph disease gene product, SCAL, SCAD2,
XX SCAD6 and atrophin-1 polypeptide. The proapoptotic peptides are capable
XX of inducing cell death and can be used to develop products to mediate or
XX inhibit apoptosis. The methods can be used for reducing the severity of
XX a proapoptotic dependence domain mediated pathological conditions e.g.
XX Huntington's disease, Alzheimer's disease, dentatorubropallidolysian atrophy,
XX spinocerebellar ataxias, dentatorubropallidolysian atrophy,
XX Machado-Joseph disease, stroke or head trauma. They can also be used for
XX reducing the severity of a pathological condition mediated by upregulated
XX cell proliferation or cell survival e.g. neoplastic, malignant,
XX autoimmune or fibrotic conditions. This sequence represents a human
XX unliganded androgen receptor described in the method of the invention.
XX
XX Sequence 154 AA:
XX

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OY 17 EOOEPRLOYCCORRCOE-----QOROHGRGDLMPORGGSGRYEGEKKQSDNP 66
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 59 qqqqqqqqqqqqqqqqgqetsprrqqqqqggedgsppqahrrrpttgylvlddeeqpsqp 113

RESULT 15
R12223
ID R12223 standard; Protein; 918 AA.
XX
AC R12223;
XX
DT 20-AUG-1991 (first entry)
XX
DE Human androgen receptor.
XX
KW hAR; DNA-binding protein; steroid hormone.
XX
OS Homo sapiens.
XX
FH Key Location/Qualifiers
FT Domain 556..626
FT /label= DNA-binding domain
FT /note= "cysteine-rich"
XX
XX WO9107423-A.
XX
XX 30-MAY-1991.
XX
XX 19-OCT-1990; 90WO-US06015.
XX
XX 17-NOV-1989; 89US-0438775.
XX
XX (ARCH-) ARCH DEV CORP.
XX
XX Liao S, Chang C;
XX
XX WPI: 1991-178048/24.
XX
XX N-PSDB: Q12001.
XX
XX Androgen receptor and TR2 DNA binding proteins - DNA sequences
XX and antibodies for detection and quantification methods
XX
XX Claim 25; Fig 3; 79pp; English.
XX
XX This sequence was deduced from a cDNA clone isolated by screening
XX commercially available human testis and prostate lambda gII cDNA
XX libraries. The sequence is very similar to that of rat AR and in
XX the DNA-binding domain it is identical to that of rAR DNA-binding
XX domain. Homology comparisons with other known steroid receptors
XX indicate that hAR is more closely related to glucocorticoid,
XX mineralo-corticoid and progesterone receptors than to v-erb-A or to
XX receptors for oestrogen, vitamin D and thyroid hormones.
XX
XX Sequence 918 AA:

Query Match 18.5%; Score 69.5; DB 12; Length 918;
Best Local Similarity 34.5%; Pred. No.3.7;
Matches 19; Conservative 9; Mismatches 22; Indels 5; Gaps 1

OY 17 EOOEPRLOYCCORRCOE-----QOROHGRGDLMPORGGSGRYEGEKKQSDNP 66
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 59 qqqqqqqqqqqqqqqqgqetsprrqqqqqggedgsppqahrrrpttgylvlddeeqpsqp 113

Search completed: March 1, 2001, 15:47:18
Job time: 243 sec

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Search completed: March 1, 2001, 15:47:18
Job time: 243 sec
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